

Converting Colors

XYZ(34.8115, 61.1622, 11.8911)

Have a look what the booklet for
XYZ(34.8115, 61.1622, 11.8911)
contains.

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Color

**XYZ(34.7607, 61.1336,
11.8874)**

Conversions

Conversions Part 1

Format	Color
Hex	64E927
RGB	100, 233, 39
RGB Percent	39%, 91%, 15%
CMY	0.6078, 0.0863, 0.8470
CMYK	0.57, 0.00, 0.83, 0.09
HSL	101°, 82%, 53%
HSV	101°, 83%, 91%
XYZ	34.7607, 61.1336, 11.8874
YIQ	171.1170, -16.9940, -88.5300

Conversions

Conversions Part 2

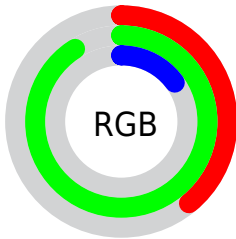
Format	Color
R_{YB}	39, 233, 172
Decimal	6613287
CIE _{Lab}	82.45, -66.79, 74.15
CIE _{LCh}	82, 99.800, 132.010
Yxy	61.1336, 0.3225, 0.5672
Android (android.graphics.Color)	4284803367 (0xFF64E927)
YUV	171.1170, -65.1337, -62.3696
Hunter-Lab	78.1880, -57.4717, 45.7174

Details

The XYZ color **34.7607, 61.1336, 11.8874** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **32.4511, 16.1076, 78.4928**, and the grayscale version is **39.0929, 41.1287, 44.7892**.

A 20% lighter version of the original color is **53.3124, 80.2858, 25.5188**, and **15.5879, 31.0829, 5.1780** is the 20% darker color. If you saturate the color by 10%, you get **32.8900, 60.2028, 10.3658**, and if you desaturate by 10%, it is **37.2174, 62.3428, 14.6742**.

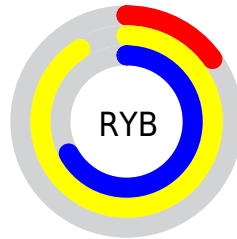
Distribution



Red (39%)

Green (91%)

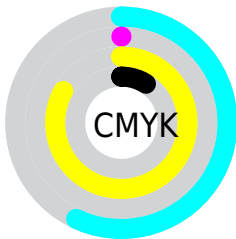
Blue (15%)



Red (15%)

Yellow (91%)

Blue (67%)

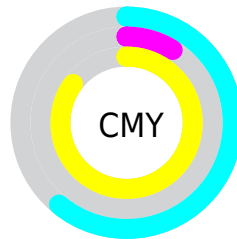


Cyan (57%)

Magenta (0%)

Yellow (83%)

Black (9%)



Cyan (61%)

Magenta (9%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7607, 61.1336, 11.8874 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 34.7607, 61.1336, 11.8874 by changing the saturation by 10% instead.

34.7607, 61.1336,
11.8874

34.7607, 61.1336,
11.8874

315.0374,
428.7637, 214.6098

23.6442, 44.3330,
6.5454

66.4514, 106.4724,
29.9512

15.1932, 30.9324,
3.1054

87.7563, 135.7793,
43.5101

9.0423, 20.5474,
1.1487

113.1880,
170.0238, 60.6451

4.8261, 12.7935,
0.0000

143.1120,
209.5903, 81.7746

2.1793, 7.2865,
0.0000

177.8936,
254.8631, 107.3174

0.7318, 3.6419,
0.0000

217.8981,

0.0000, 1.4754,

306.2267, 137.6918

0.0000

263.4909,
364.0654, 173.3164

■ 0.0000, 0.2713,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.7607, 61.1336,
11.8874

■ 34.7607, 61.1336,
11.8874

■ 32.8900, 60.2028,
10.3658


■ 37.2174, 62.3428,
14.6742


■ 31.9071, 59.7067,
9.8429


■ 40.3123, 63.8475,
18.9215


■ 44.0950, 65.6715,
24.7952


■ 48.6090, 67.8340,
32.4376

 53.8932, 70.3525,
41.9759

 59.9842, 73.2432,
53.5251

 66.9156, 76.5211,
67.1914

 74.7192, 80.2006,
83.0734

 83.4251, 84.2951,
101.2635

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.9858, 61.1336, 5.1070



34.7607, 61.1336, 11.8874



27.1856, 61.1336, 36.4886

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.7607, 61.1336, 11.8874



46.3415, 61.1336, 252.3181



108.1351, 61.1336, 45.0003

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



34.7607, 61.1336, 11.8874



32.4511, 16.1076, 78.4928

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.4691, 61.1336, 109.8089



34.7607, 61.1336, 11.8874



67.0605, 61.1336, 260.1036

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.7607, 61.1336, 11.8874



32.6576, 61.1336, 180.1160



90.0875, 61.1336, 197.4624



94.1995, 61.1336, 14.8509

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.7607, 61.1336, 11.8874



26.0102, 61.1336, 70.7678



90.0875, 61.1336, 197.4624



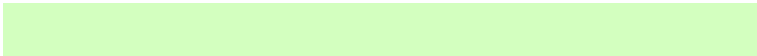
109.4600, 61.1336, 62.5303

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



34.7621, 61.1362, 11.8888



72.1393, 89.1847, 62.8468



48.6435, 46.8138, 8.3926



14.8655, 18.8163, 12.3547



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.7621, 61.1362, 11.8888



39.0826, 73.2328, 12.0755



31.2328, 59.2141, 16.3642



15.3139, 17.0919, 16.0107



18.2168, 33.9356, 5.5901



1.5266, 2.7143, 0.4435

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.4511, 16.1076, 78.4928



35.6913, 16.3144, 95.8756



44.4600, 22.8275, 55.1503



15.2275, 15.0625, 19.0270



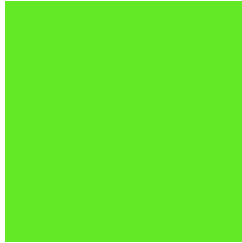
16.6766, 7.6330, 44.3373



1.4081, 0.6502, 3.4862

Previews

White Background



This preview shows how the XYZ color 34.7607, 61.1336, 11.8874 looks on a white background.

Color Contrast Check

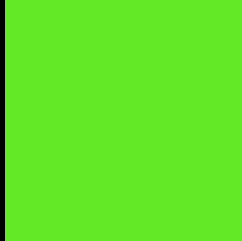
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.7607, 61.1336, 11.8874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7607, 61.1336, 11.8874

Background



This preview shows how black text looks on a background with the XYZ color 34.7607, 61.1336, 11.8874.



This preview shows how white text looks on a background with the XYZ color 34.7607, 61.1336,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

34.7607, 61.1336, 11.8874

Protanopia

54.1533, 59.9427, 10.0122

Deuteranopia

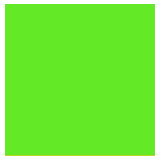
61.1795, 59.7477, 12.8654



Tritanopia

49.6558, 60.7171, 86.9443

Trichromacy



Original Color

34.7607, 61.1336, 11.8874



Protanomaly

43.8806, 58.6615, 10.5234



Deuteranomaly

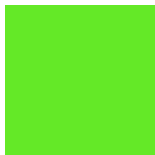
46.7749, 57.5202, 12.1272



Tritanomaly

41.0246, 59.5573, 43.9838

Monochromacy



Original Color

34.7607, 61.1336, 11.8874



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.5440, 46.0334, 25.8036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7607, 61.1336, 11.8874 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(100, 233, 39)` looks like.

```
.text, #text, p{  
    color:rgb(100, 233, 39)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(100, 233, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 233, 39) }
```

Border

The CSS property to change the border of an element to XYZ 34.7607, 61.1336, 11.8874 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 233, 39) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(100, 233, 39) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(100, 233, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 233, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 233, 39);  
box-shadow:4px 4px 4px 4px rgb(100, 233,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7607, 61.1336, 11.8874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 233, 39) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(100,  
233, 39) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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